TREES BRING RAIN

Forests Continually Do Battle Against the Great Enemy

WHICH FIENDISHLY DESIGNS

To Turn the Fertile Lands Into With ing December -- How to Protect the ntry Against Drouths

Sr. Joseph, Mo., Feb. 19.-My la letter gave forecasts of the weather the storm wave due to cross the conent from 16th to 21st, and the cool wave due to cross the continent from 19th to 23d. The next disturbance will reach the Pacific coast about the 23d, cross the western mountains by the trees the western mountains by the loss of the 28d, the great central values from 24th to 28th, and feach the illastic states about the 27th.

This will be an average storm, and its proc will begin to rapidly increase on the 27th and 28th, as it moves out onto the Atlantic ocean.

the 27th and 27th, as is moves out onto the Atiantic ocean.

The legends of the Astecs tell us that those people, when occupying the western mountains, with their center of population about Great Salt Lake in Utah, including the Oriorado river valley and the table lands between the Rockies and the Sierras, destroyed the timber, from the effects of which the lakes and rivers dried up, and those people were compelled to abandon the country as were the Aryan tribes, our ancestors, compelled to abandon the habte land of Asia, new called the Desert of Gobi, from the same causes.

The Astecs removed to Mexico, and were so impressed with the cause of the blight in that country from which they migrated, that they enacted stringent laws protecting the tunber in Mexico. It is also well known that since white men occupied the great basin of the Sait Lake country, the growth of trees has been encouraged by Mormon laws, from the effects of which Great Salt Lake has increased seven or eight feet in depth.

The cool wave following it will ever

in depth.

The cool wave following it will cross the cool wave following it will cross the western mountains about the 25th, the great entral valleys about the 27th, and the Atlantic states about the 29th. It will extend far into the southern states, causing frosts that will do some damage.

An early spring may be expected. March and the first part of April will be very favorable to growing crops. But during the later growing season rainfall will be deficient in may places; so much so that, in various localities, the crops of 1892 will be short.

Drauths and Their Remedies.

There are two reasons why this is an opportune time for discussing drouths. One is that the time approaches for tree planting, and the other is the prospect of a deficiency of rainfall this year in parts of the United States.

It requires but moderate reasoning faculties to discern a great increase of the drouths in the great central valleys, including all the country of the great lakes, unless the destruction of timber at the Rockies and Sierras and their great plateaus is stopped.

We are idly floating toward the Nissan of destruction, toward that desolation that now holds the Great Sahara is its withering grasp. Eminent American citizens have made the declaration, but they take, as a basis of their prediction, the destruction of the northern gineries, but the destruction of western forcets and the planting of trees in the and districts will have ten trees in the and districts will have ten times the influence on our climate that will the same conditions on our north-

Breey Person Should Plant a Tree.

The destruction of morthern pineries will decrease the rainfall in the countries where the pineries exist, and decrease the depth of water in the Mississippi and the great lakes, but will-not very greatly effect the rainfall in other parts of the country, except, perhaps, Minnesotz, Korth Dakets and Montana, while the destruction of the forests in the western mountains will decrease the rainfall in every state from the guif to the British line and from the Alleghenies to the Rockies.

Every person who owns a let, an acre or a farm can do comething toward retarding the encroachments of drouth by planting trees, for every tree is an armed soldier standing sentinel and doing battle against that great encemy, whose fiendish design ever is to cover up fertile lands with drifting sands, turning them into withering deserts.

It every such owner of land will cause

ende, turning them into withering deserts.

It every such owner of land will cause one tree to grow where none grew before, or two trees to grow where one grew before, repesting the good work every year, the drouths will be driven back and the present fertile country protected from the desert sands.

Children should be taught the value of trees and the wickedness of wantonly destroying them. By trees I mean all kinds and sizes, from the hazel lwig to the monarch of the forest. Proceed all the trees and plant more. Cultivate those that will pay best for food, furniture or building purposes. Fruit trees are as good as any.

When Arbor Day comes devote your time to tree planting, and as it approaches hold meetings for the purpose of discovering the subject and enthusing your neighbors with its imperiance, feery debating society, farmers' organization and board of trade should at least give one evening to the discussion of this subject between this and Arbor Day, and on that day there should be housands of speeches made. Preachers can find perturent texts, especially in the Old Testament, from which to discuss this subject.—Copyrighted 1892, W. F. Foster.

BOARD OF PUBLIC WORKS.

New Plane for Securing Pure Water Sub-

At the meeting of the board of public a rks held yesterday afternoon, the question of obtaining a supply of water from the strata of water-bearing gravel on the west side by means of an pen gallery or conduit, was discussed. But Engineer Coller reportal that the average depth would be nimeteen feet, which nould reach ten or twelve feet put the gravel strata. The proposition a to build a conduit of at least sixty-two seems in dismeter from the pump house to a point where the river is free from all contaminations, this conduit to be used as an antillary supply should the supply from the ground prove immuficient. The submitted estimate contemplates the building of a pumping station as the north city limits, near the railroads, and foreing the entire supply into the low errors, or reservoir, and lecuting a high service pump at the reservoir. The will place the hum pressure pump under the hum pressure pump under the change pressure only. The estimate is as follows: Open conduit, 11,000 feet long, 542,600; aver connection tales, etc., \$5500; Colai cost of supply-

MORT SPECIALS tey McKay, agod 106 years, died at creville, Ky., Thursday.

Dr. Paul. a French physician a sounces that he has discovered a re-dy for paralysis. Judge Robh, at 'Ottumwa, In., Su-even saloonkeepers \$300 each for vi-sion of the Iowa prohibitory liqu

John B. Richards, an employe of the American wheel works at Fort Wayne, ind., dropped dead while at his work

Thomas Goins was sentenced to five years in the penitentiary at Greens-burg, Ind., for shooting with intent to kill Dale Welsh.

The Burlington, Cedar Rapids & Northern railroad are now moving to build a branch line from Mason City, In., to Rockford, Ill.

In the lower house of the Utah legislature a memorial for an auti-polygemy amendment to the United States constitution was killed.

constitution was killed.

An alligator 5½ feet long was found near the bank of Rock river at Janesville. Wis., frozen to death. It had evidently escaped from some menageris. A vein of quarts was struck in the Keystone mine in Pennington county, S. D. that pays over \$20,000 to the ton. The vein is three-quarters of an inch thick.

A driving club was organized at Lansing, Mich., Friday with a capital stock of \$50,000, and a kite-shaped track will be in readiness for a spring

At Meeker, Col., preparations are being made by H. S. Attix, a taxidermist there, for a display of the game resources of that section at the world's fair. A large collection of bear, elk, lions, etc., will be mounted, as well as an interesting collection of fish and birds.

John Jay Enox's Last Book.

New York, Feb. 20.—Mr. John Jay Knoz, during the last five years of his life, had been engaged upon a history of banking in the United States, which was about ready to go to the publishers at the time of his death. Mrs. Knox will carry out the plans of her husband by an early publication of this his last and most important literary work.

Of Course You Know,
But in order that you may not forget
it, we will again call your attention to
the fact that the Detroit, Lansing and
Northern is the favorite line to Detroit,
a fact which influenced the Jefferson
club and others interested in the reception to ex-President Cleveland at
Detroit next Tuesday evening, in selecting this route. Likewise those who will
attend the Michigan club banquet at
Detroit on Monday, February 22,
naturally incline to the route which is
the favorite with the majority of travelers between this city and Detroit.

Our excellent train service, convenient schedules and fast time, together
with a deaire on our part to accommodate our patrons in the best possible
manner, combine to render this the
favorite routs. Our trains leave Grand
Rapids at 7:15 a. m. and 1 p. m., arriving at Detroit at 12 noon and 5:10 Of Course You Know,

riving at Detroit at 12 noon and 5:10 p.m.

p. m.

In order to accommodate those attending the Cleveland reception on the 23d who wish to return the same night, we will run a special fast train leaving Detroit at 11 p. m. and arriving at Grand Rapids about 4 s. m. Tickets will be sold at one fare for round trip (\$4.50) to Detroit, February 22 and 23, all good to return until February 25. This will allow those desiring to remain to attender. Senator Palmer's reception on the 24th, an opportunity to do so. A rate of one fare (\$3.85) for the round trip will also be made on the 22nd to Ann Arbor, good until the 23d on account of Mr. Cleveland's reception in that city. Our morning train connects closely at Howell Junction. Tickets are on sale at Union ticket office, No. 67 Monroe street and Union station, via the D., L. & N.

Geo. DeHaves,

General Passenger Agent.

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"Young Man, Go East."

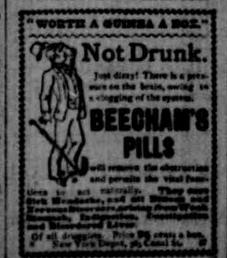
This advice will apply with equal force to old men, young ladies, middle-aged men, boys and everybody clee who intend vinting Detroit on the occasion of the reception of ex-President Cleveland, to be held on the 23d inst. It is a well-known fact that the train service of the Michigan Central Railread is unexcelled, therefore, no one need hesitate to take the Niagara Falls route if they desire first-class service to Detroit and return on the above occasion. Tickets will be issued on Feb. 23, good to return Feb. 24, at \$4.50 for the round trip. This company will also sell round trip tickets for Ann Arbor Feb. 22, good to return Feb. 23, at one fare, \$5.85. For tickets or information relating to train service apply at Union Ticket Office, 67 Monroe street or at the Union Passenger Station. Be sure your tickets read via the Michigan Central.

Fazo M. Briogs,

General Agent.

General Agent.

The accompaniments are, in themselves, a delightful feature in the "Ross Maiden" cautate; they will be exquintely rendered by Mr. R. A. Wellenstein, the popular orchestra leafer and teacher. Mr. Wellenstein will also play a piano solo in the grst part of the program.



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A GOOD CHANCE

As already announced, we are selling our best overcoats for \$15.00. This means that overcoats, the finest that skilled tailors can produce, formerly sold at \$30, \$28, \$25 and \$20, are now going from our store at \$15.00. People who see these coats appreciate them, too; for instance, in a number of cases customers for other articles and having no intention to buy, will ask to look at our overcoats, simply out of curiosity-and in a majority of cases a sale is made. People say that it will pay-them to buy the coats for next year's use. This sale gives you a good chance to get your choice of the finest overcoats for the price of poor ones.

We are selling a line of fine Jersey office Coats at \$3.98, worth \$6.00, and a line at \$1.87, formerly \$3.00.

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